

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------|------------------|---------|------------------|
| S2 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:30 |
| S3 | 1 | "6542999".pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/13 10:54 |
| S4 | 0 | "6836839".pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/13 12:04 |
| S5 | 5 | "815122".ap. | US-PGPUB; USPAT | OR | OFF | 2004/12/13 15:48 |
| S6 | 0 | "01279545".pn. | EPO | OR | OFF | 2004/12/13 15:49 |
| S7 | 1 | "279545".pn. | EPO | OR | OFF | 2004/12/13 15:49 |
| S8 | 5 | "279545".pn. | DERWENT | OR | OFF | 2004/12/13 15:50 |
| S9 | 1 | "727668".pn. | EPO | OR | OFF | 2004/12/13 15:56 |
| S10 | 1 | "01279545" | US-PGPUB; USPAT | OR | OFF | 2004/12/13 15:56 |
| S11 | 49 | wrap.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/13 16:09 |
| S12 | 10 | "5752047" | US-PGPUB; USPAT | OR | OFF | 2004/12/17 15:57 |
| S13 | 10 | "5752047" | US-PGPUB; USPAT | OR | OFF | 2004/12/14 17:08 |
| S14 | 7 | ("5752047").URPN. | USPAT | OR | OFF | 2004/12/14 17:08 |
| S15 | 2378 | "2" and fusible adj link | US-PGPUB; USPAT | OR | OFF | 2004/12/14 17:49 |

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|-----|--------|---|------------------------------|----|-----|------------------|
| S16 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/14 17:49 |
| S17 | 1 | S16 and fusible adj link | US-PGPUB; USPAT | OR | OFF | 2004/12/14 17:49 |
| S18 | 5 | ("5214311" "5396395" "5570002" "5675189" "5701226").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 17:57 |
| S19 | 119 | fusible adj link and mosfet | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 17:58 |
| S20 | 16 | (fusible adj link).clm. and mosfet | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:09 |
| S21 | 1 | (fusible adj link).clm. and mosfet adj wirebond | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 17:59 |
| S22 | 1 | (fusible adj link) and mosfet adj wirebond | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 17:59 |
| S23 | 1 | S16 and thermal adj sensor | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:10 |
| S24 | 19 | S16 and relay | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:10 |
| S25 | 1 | S16 and relay adj device\$1 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:12 |
| S26 | 426836 | S16 and data bus\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:12 |
| S27 | 16 | S16 and data adj bus\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:14 |
| S28 | 1 | S16 and SPI and SCI | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:17 |

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|-----|----|--|------------------------------|----|-----|------------------|
| S29 | 14 | S16 and temperature | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:18 |
| S30 | 3 | S16 and RMS | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:19 |
| S31 | 1 | S16 and "I.sup.2 t " | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 11:08 |
| S32 | 0 | S16 and "I.sup.2t " | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:19 |
| S33 | 0 | S16 and "I.sup.2t" | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:19 |
| S35 | 1 | S16 and "i.sup.2 t" | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/14 18:19 |
| S36 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/15 10:42 |
| S37 | 1 | S36 and "I.sup.2 t" | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 10:55 |
| S38 | 29 | ("3337742" "3505598" "4075502" "4087697" "4096395" "4156280" "4219858" "4219860" "4231029" "4356553" "4384213" "4405867" "4423458" "4446498" "4475047" "4520275" "4535409" "4583004" "4605982" "4625283" "4628397" "4638175" "4677311" "4685020" "4703191" "4717984" "4763220").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 10:46 |

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|-----|-----|---|------------------------------|----|-----|------------------|
| S39 | 29 | ("3337742" "3505598" "4075502" "4087697" "4096395" "4156280" "4219858" "4219860" "4231029" "4356553" "4384213" "4405867" "4423458" "4446498" "4475047" "4520275" "4535409" "4583004" "4605982" "4625283" "4628397" "4638175" "4677311" "4685020" "4703191" "4717984" "4763220").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 10:49 |
| S40 | 0 | S36 and rms near current | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 10:50 |
| S41 | 0 | "78366".ap. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 10:56 |
| S42 | 7 | "078366".ap. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 10:56 |
| S43 | 116 | RMS and "I.sup.2 t " | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 11:08 |
| S44 | 10 | RMS with "I.sup.2 t " | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/15 11:08 |
| S45 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/15 15:47 |
| S46 | 2 | S45 and calibration | US-PGPUB; USPAT | OR | OFF | 2004/12/15 15:48 |
| S47 | 15 | S45 and AC same DC | US-PGPUB; USPAT | OR | OFF | 2004/12/15 15:49 |
| S48 | 15 | S45 and AC with DC | US-PGPUB; USPAT | OR | OFF | 2004/12/15 15:52 |
| S49 | 6 | "017125".ap. | US-PGPUB; USPAT | OR | OFF | 2004/12/15 16:05 |

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|-----|-----|--|--------------------|----|-----|------------------|
| S50 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/15 16:05 |
| S51 | 2 | S50 and ASIC | US-PGPUB; USPAT | OR | OFF | 2004/12/15 16:25 |
| S52 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/15 16:25 |
| S53 | 14 | S52 and redundan\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/15 16:25 |
| S54 | 3 | S52 and redundan\$3 with bus | US-PGPUB; USPAT | OR | OFF | 2004/12/15 16:28 |
| S55 | 0 | S52 and redundan\$3 with \$processor | US-PGPUB; USPAT | OR | OFF | 2004/12/15 16:29 |
| S56 | 1 | S52 and redundan\$3 with \$processor\$1 | US-PGPUB; USPAT | OR | OFF | 2004/12/16 09:14 |
| S57 | 4 | ("5,833,520" "5,985,679" "6,102, 785" "6,280,293").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 09:41 |
| S58 | 6 | diverse adj redundancy | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:06 |
| S59 | 198 | benefit\$ with ASIC\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:07 |
| S60 | 0 | S59 and @pd<"2001" | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:07 |
| S61 | 40 | S59 and @pd<"20010101" | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:11 |
| S62 | 0 | cost with adic | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:11 |

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|-----|------|--|--------------------|----|-----|------------------|
| S63 | 1231 | cost with asic | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:11 |
| S64 | 15 | cost with asic with benefit | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:12 |
| S65 | 1032 | asic and power adj switch\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:12 |
| S66 | 126 | asic and (power adj switch\$3).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:12 |
| S67 | 20 | asic.clm. and (power adj switch\$3). clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:12 |
| S68 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:30 |
| S69 | 2 | S68 and asic | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:46 |
| S70 | 430 | asic and three adj phase | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:47 |
| S71 | 4 | asic with three adj phase | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:47 |
| S72 | 0 | asic with three adj phase with power adj source | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:48 |
| S73 | 2630 | three adj phase with power adj source | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:48 |
| S74 | 15 | S73 and asic | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:51 |
| S75 | 3 | S73 and asics | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:51 |

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|-----|---------|---|--------------------|----|-----|------------------|
| S76 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:52 |
| S77 | 11 | S76 and three adj phase | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:55 |
| S78 | 0 | S76 and three adj phase and asic | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:52 |
| S79 | 2032 | low adj pass adj filter and asic | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:56 |
| S80 | 16 | (low adj pass adj filter).clm. and asic.clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 10:58 |
| S81 | 0 | S76 and internal adj reset | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:00 |
| S82 | 0 | S76 and soft adj start | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:20 |
| S83 | 112 | thermal adj shutdown adj circuit | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:20 |
| S84 | 0 | S83 with ASIC | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:21 |
| S85 | 0 | S83 and ASIC | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:21 |
| S86 | 29 | S83 and power adj switch\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:22 |
| S87 | 732 | asic and power adj switch | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:23 |
| S88 | 1521176 | S87 and thermal or temperature | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:23 |
| S89 | 308 | S87 and (thermal or temperature) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:23 |
| S90 | 81 | S87 and (thermal or temperature). clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:23 |
| S91 | 72 | asic and (power adj switch).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:23 |
| S92 | 16 | S91 and (thermal or temperature). clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:44 |
| S93 | 9 | "5940875" | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:44 |

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|----------|-----|--|--------------------|----|-----|------------------|
| S94 | 22 | "5940785" | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:45 |
| S95 | 0 | redudant adj thermal adj shutdown | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:45 |
| S96 | 0 | redudant with thermal adj shutdown | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:45 |
| S97 | 0 | redudant with (thermal temperature) with shutdown | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:46 |
| S98 | 0 | redudant with (thermal temperature) with (shutdown off) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:46 |
| S99 | 42 | redundant with (thermal temperature) with (shutdown off) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:46 |
| S10 0 | 42 | redundant with (thermal temperature) with (shutdown off) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:47 |
| S10 1 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:52 |
| S10 2 | 0 | S101 with (thermal adj shutdown) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 11:52 |
| S10 3 | 1 | S101 and ((temperature thermal) with shutdown) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:02 |
| S10 4 | 2 | asic with thermal adj shutdown | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:03 |
| S10 5 | 6 | power adj switch\$3 and asic and thermal adj shutdown | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:04 |
| S10 6 | 8 | power adj switch\$3 and asic and (temperature thermal) adj (shutdown off) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:04 |
| S10 7 | 54 | power adj switch\$3 and asic and (temperature thermal) near4 (shutdown off) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:05 |
| S10 8 | 155 | power adj switch\$3 and asic and (temperature thermal) near4 (shutdown off sensor) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:05 |
| S10 9 | 22 | (power adj switch\$3).clm. and asic and (temperature thermal) near4 (shutdown off sensor) | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:10 |

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|----------|-----|--|--------------------|----|-----|------------------|
| S11 0 | 9 | current adj sensor with ASIC | US-PGPUB; USPAT | OR | OFF | 2004/12/16 12:44 |
| S11 1 | 31 | current adj sensor same ASIC | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:16 |
| S11 2 | 127 | ASICs and three adj phase | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:16 |
| S11 3 | 15 | ASICs and (three adj phase).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:16 |
| S11 4 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:23 |
| S11 5 | 0 | S114 and each | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:23 |
| S11 6 | 0 | S114 and all | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:23 |
| S11 7 | 0 | S114 and "all" | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:47 |
| S11 8 | 0 | power adj switch\$3 and fusicble adj link\$1 | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:47 |
| S11 9 | 114 | power adj switch\$3 and fusible adj link\$1 | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:47 |
| S12 0 | 13 | power adj switch\$3 and (fusible adj link\$1).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 14:57 |
| S12 1 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:57 |
| S12 2 | 19 | S121 and relay | US-PGPUB; USPAT | OR | OFF | 2004/12/16 13:57 |

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| S12 3 | 6 | "017125".ap. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 14:09 |
| S12 4 | 1 | "5818673".pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 14:58 |
| S12 5 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:02 |
| S12 6 | 0 | S125 and wirebond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:02 |
| S12 7 | 1 | mosfet adj wirebond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:02 |
| S12 8 | 3 | mosfet adj bond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:02 |
| S12 9 | 5 | mosfet with wirebond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:02 |
| S13 0 | 0 | S125 with bond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:02 |
| S13 1 | 0 | S125 with mosfet | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:05 |
| S13 2 | 159 | mosfet with bond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:05 |
| S13 3 | 7 | S132 and fuse | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:07 |
| S13 4 | 1 | S132 and fusible | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:18 |
| S13 5 | 119 | mosfet and fusible adj link | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:18 |
| S13 6 | 16 | mosfet and (fusible adj link).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:27 |
| S13 7 | 1 | "5,999,037" | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:28 |
| S13 8 | 26 | fusible adj link and wire near bond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:29 |
| S13 9 | 4 | fusible adj link same wire near bond | US-PGPUB; USPAT | OR | OFF | 2004/12/16 15:29 |

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|----------|-----|--|------------------------------|----|-----|------------------|
| S14 0 | 13 | ("20020064969" "4455194" "5760674" "5872390" "6033939" "6074940" "6160302" "6162686" "6180503" "6277737" "6348398" "6392300" "6451681").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 15:36 |
| S14 1 | 159 | mosfet with bond | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 15:37 |
| S14 2 | 0 | mosfet with bond with fusible adj link | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 15:36 |
| S14 3 | 0 | mosfet with bond same fusible adj link | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 15:36 |
| S14 4 | 159 | mosfet with bond and fusible adj link | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 15:36 |
| S14 5 | 0 | mosfet with bond and fusible adj link | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 15:36 |
| S14 6 | 7 | mosfet with bond and fuse | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 15:50 |
| S14 7 | 81 | fusible adj link with (MOS or ?MOS or MOSFET) | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 16:10 |
| S14 8 | 11 | fusible adj link with (MOS or ?MOS or MOSFET) and bond | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 16:10 |
| S14 9 | 53 | (fuse or (fusible adj link)) with (MOS or ?MOS or MOSFET) and bond | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 16:22 |
| S15 0 | 25 | (fuse or (fusible adj link)) with (MOS or ?MOS or MOSFET) and bond near2 wire | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 16:41 |
| S15 1 | 10 | (fuse or (fusible adj link)) with (MOS or ?MOS or MOSFET) and bond near2 wire and short adj circuit | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/16 16:41 |

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|----------|------|--|----------------------|----|-----|------------------|
| S15 2 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/16 17:23 |
| S15 3 | 2 | S152 and SPI | US-PGPUB; USPAT | OR | OFF | 2004/12/16 17:23 |
| S15 4 | 1 | S152 and SPI and SCI | US-PGPUB; USPAT | OR | OFF | 2004/12/17 09:50 |
| S15 5 | 127 | three adj phase and asics | US-PGPUB; USPAT | OR | OFF | 2004/12/17 09:50 |
| S15 6 | 3 | three adj phase and three near3 asics | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:03 |
| S15 7 | 0 | three adj phase and three near3 asics | EPO; JPO | OR | OFF | 2004/12/17 09:51 |
| S15 8 | 3 | kopken.in. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 09:52 |
| S15 9 | 2 | kopken.in. | EPO; JPO; DERWENT | OR | OFF | 2004/12/17 09:52 |
| S16 0 | 3 | three adj phase and three with asics | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:03 |
| S16 1 | 0 | three adj phase and multiple with asics | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:03 |
| S16 2 | 7 | three adj phase and (number multiple many plurality plural numerous) with asics | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:05 |
| S16 3 | 5415 | three adj phase with power adj (source supply) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:05 |
| S16 4 | 6 | S163 and asics | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:05 |

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|----------|------|--|--------------------|----|-----|------------------|
| S16 5 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:08 |
| S16 6 | 11 | S165 and three adj phase | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:26 |
| S16 7 | 172 | power adj switch\$3 and thermal adj sensor | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:26 |
| S16 8 | 7 | power adj switch\$3 and thermal adj sensor and sense adj resistor | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:27 |
| S16 9 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:49 |
| S17 0 | 1 | S169 and zero near6 detection | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:53 |
| S17 1 | 0 | S169 and soft adj start | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:53 |
| S17 2 | 2132 | soft adj start | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:53 |
| S17 3 | 26 | S172 and "713"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:54 |
| S17 4 | 27 | S169 and low | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:54 |
| S17 5 | 4 | S169 and low adj speed | US-PGPUB; USPAT | OR | OFF | 2004/12/17 10:55 |
| S17 6 | 13 | S169 and start | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:50 |
| S17 7 | 801 | SPI and SCI | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:51 |

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|------|-------|--|-----------------|----|-----|------------------|
| S178 | 138 | S177 and redundan\$4 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:51 |
| S179 | 18 | S178 and power adj (management distribution) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:51 |
| S180 | 0 | SPI with redundan\$4 with SCI | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:51 |
| S181 | 4 | SPI same redundan\$4 same SCI | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:56 |
| S182 | 4 | SPI same redundan\$4 same (SCI or rs232) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:57 |
| S183 | 236 | SPI same (SCI or rs232) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 12:25 |
| S184 | 65 | S183 and redundan\$4 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:57 |
| S185 | 4 | S183.clm. and redundan\$4 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 11:57 |
| S186 | 166 | SPI with (SCI or rs232) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 12:25 |
| S187 | 9 | S186.clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 12:59 |
| S188 | 129 | thermal adj sensor with substrate | US-PGPUB; USPAT | OR | OFF | 2004/12/17 12:59 |
| S189 | 3 | S188 same resistor | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:11 |
| S190 | 39 | S188.clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 12:59 |
| S191 | 6 | "load current sense voltage" | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:12 |
| S192 | 2 | "load current sense voltage" and rms | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:13 |
| S193 | 26943 | analog near2 process\$4 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:14 |
| S194 | 21 | S193 with rms | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:39 |
| S195 | 0 | S193 with rms and (i near sub near t) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:17 |
| S196 | 0 | S193 with rms and ("i.sub.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:17 |
| S197 | 14 | S193 and ("i.sub.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:18 |
| S198 | 4 | rm and ("i.sub.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:18 |
| S199 | 18 | rms and ("i.sub.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:18 |
| S200 | 1 | rms same ("i.sub.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:27 |

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|----------|--------|--|--------------------|----|-----|------------------|
| S20 1 | 446 | true adj rms | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:39 |
| S20 2 | 63 | analog with true adj rms | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:56 |
| S20 3 | 0 | analog with true adj rms and car | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:56 |
| S20 4 | 3 | analog with true adj rms and vehicle | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:57 |
| S20 5 | 5 | analog with true adj rms and automobile\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:57 |
| S20 6 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:59 |
| S20 7 | 0 | S206 and analog near2 process\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 13:59 |
| S20 8 | 4 | S206 and analog with process\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:05 |
| S20 9 | 525992 | sense resistor with RMS | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:05 |
| S21 0 | 8 | sense adj resistor with RMS | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:06 |
| S21 1 | 422 | resistor with RMS | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:06 |
| S21 2 | 3 | resistor with RMS with analog | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:07 |
| S21 3 | 0 | true adj rms and ("i.sub.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:39 |
| S21 4 | 0 | true adj rms and ("i squared t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:28 |
| S21 5 | 0 | rms and ("i squared t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:28 |
| S21 6 | 0 | ("i squared t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:28 |
| S21 7 | 283 | ("i.sub.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:29 |
| S21 8 | 17 | true adj rms and ("i.sup.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:35 |

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| S21 9 | 0 | true adj rms same ("i.sup.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:30 |
| S22 0 | 28 | analog same ("i.sup.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:47 |
| S22 1 | 10 | "5504655" | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:50 |
| S22 2 | 2604 | (power adj distribution) and relay | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:51 |
| S22 3 | 601 | (power adj distribution) and relay. clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:51 |
| S22 4 | 13 | (power adj distribution) and (relay near3 module).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:53 |
| S22 5 | 13 | ("20010004205" "4999562" "5082463" "5643693" "5645448" "5666040" "6151222" "6152776" "6402569" "6455949" "6459170" "6461172" "6488532").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/17 14:52 |
| S22 6 | 112 | (power adj distribution) and (relay near3 devices) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 14:54 |
| S22 7 | 30 | (power adj distribution).clm. and (relay near3 devices) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 15:08 |
| S22 8 | 5339 | relay with (module card) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 15:08 |
| S22 9 | 945 | relay adj2(module card) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 15:08 |
| S23 0 | 945 | relay adj2 (module card) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 15:08 |
| S23 1 | 48 | relay adj2 (module card) and power adj distribution | US-PGPUB; USPAT | OR | OFF | 2004/12/17 15:33 |
| S23 2 | 10 | "5752047" | US-PGPUB; USPAT | OR | OFF | 2004/12/17 15:33 |
| S23 3 | 14 | ("5021764" "5042133" "5065135" "5207613" "5237484" "5243522" "5289363" "5751536" "5752047" "5811878" "5841634" "5978220" "6014705" "Re34064").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/17 15:44 |
| S23 4 | 7 | "4742428" | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/17 15:47 |
| S23 5 | 1714 | relay adj devices | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/17 15:47 |
| S23 6 | 237465 | relay module with relay adj devices | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/17 15:47 |

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| S23 7 | 0 | relay adj module with relay adj devices | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/17 15:47 |
| S23 8 | 6 | relay adj module and relay adj devices | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/17 15:47 |
| S24 2 | 2389 | soft adj start\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:09 |
| S24 3 | 232 | S242 with DC | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:10 |
| S24 4 | 33 | S243 and power adj distribution | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:25 |
| S24 5 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:11 |
| S24 6 | 0 | S245 and S242 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:11 |
| S24 7 | 5 | gliichi.in. and hitachi.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:26 |
| S24 8 | 274 | hirokatsu.in. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:26 |
| S24 9 | 30 | hirokatsu.in. and hitachi.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:27 |
| S25 0 | 0 | 7-001597 | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:28 |
| S25 1 | 0 | "08194658" | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:30 |
| S25 2 | 10 | aoto.in. and hitachi.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:31 |
| S25 3 | 300 | noguchi.in. and hitachi.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:31 |
| S25 4 | 3322 | noguchi.in. hirokatsu.in. and hitachi.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:31 |
| S25 5 | 0 | noguchi.in. and hirokatsu.in. and hitachi.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:32 |
| S25 6 | 0 | noguchi.in. and hirokatsu.in. and hitachi.as. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 16:32 |

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|----------|------|--|--------------------|----|-----|------------------|
| S25 7 | 1 | noguchi.in. and hirokatsu.in. | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:38 |
| S25 8 | 17 | true adj rms and ("i.sup.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:44 |
| S25 9 | 0 | true adj rms same ("i.sup.2 t") | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:39 |
| S26 0 | 281 | reference adj temperature with resistor | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:45 |
| S26 1 | 0 | S260 same thermal near8 (shutdown off) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:45 |
| S26 2 | 2 | S260 same thermal near8 (shutdown or shut adj down or off) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:45 |
| S26 3 | 165 | reference adj temperature with resistor and (off shutdown shut adj down) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:45 |
| S26 4 | 31 | reference adj temperature with resistor.clm. and (off shutdown shut adj down) | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:54 |
| S26 5 | 12 | reference adj temperature with (set setting sets) near2 resistor | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:57 |
| S26 6 | 250 | reference adj temperature with thermistor | US-PGPUB; USPAT | OR | OFF | 2004/12/17 17:57 |
| S26 7 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 09:59 |
| S26 8 | 0 | S267 and substrate | US-PGPUB; USPAT | OR | OFF | 2004/12/20 09:59 |
| S26 9 | 3244 | (thermal temperature) with (off shutdown (shut adj down)) with substrate | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:00 |
| S27 0 | 873 | (thermal temperature) with (off shutdown (shut adj down)) with (substrate near2 (temperature thermal)) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:00 |
| S27 1 | 63 | (thermal temperature) with (off shutdown (shut adj down)) with (substrate near2 (temperature thermal)).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:00 |

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|----------|--------|---|--------------------|----|-----|------------------|
| S27 2 | 63 | (thermal temperature) with (off shutdown (shut adj down)).clm. with (substrate near2 (temperature thermal)).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:00 |
| S27 3 | 63 | (thermal temperature) with (off shutdown (shut adj down)).clm. with (substrate near2 (temperature thermal)) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:02 |
| S27 4 | 2 | (thermal temperature) with (off shutdown (shut adj down)) with (power adj switching) with (substrate near2 (temperature thermal)) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:23 |
| S27 5 | 6 | "133895".ap. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:24 |
| S27 6 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:49 |
| S27 7 | 16 | S276 and (calibration reset) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:49 |
| S27 8 | 2 | S276 and (calibration) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:52 |
| S27 9 | 15 | S276 and reset | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:52 |
| S28 0 | 112374 | S276 and reset with (power adj up) or (start adj up) or boot | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:52 |
| S28 1 | 1 | S276 and reset with ((power adj up) or (start adj up) or boot) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:06 |
| S28 2 | 48 | reset with calibration with (power adj up or boot adj up or boot or start adj up) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:59 |
| S28 3 | 54 | reset with calibrat\$ with (power adj up or boot adj up or boot or start adj up) | US-PGPUB; USPAT | OR | OFF | 2004/12/20 10:59 |
| S28 4 | 6 | S283 not S282 | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:00 |
| S28 5 | 1892 | reset with calibrat\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:02 |

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|----------|------|--|--------------------|----|-----|------------------|
| S28 6 | 254 | S285 with circuit | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:01 |
| S28 7 | 123 | S285.clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:01 |
| S28 8 | 29 | S286.clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:02 |
| S28 9 | 11 | reset with calibrat\$ same power adj switch\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:02 |
| S29 0 | 6779 | power adj up with reset | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:06 |
| S29 1 | 44 | S290 with calibrat\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:07 |
| S29 2 | 134 | S290 same calibrat\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:07 |
| S29 3 | 278 | S290 and reset same calibrat\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:07 |
| S29 4 | 9 | S290.clm. and reset same calibrat\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:07 |
| S29 5 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:42 |
| S29 6 | 15 | S295 and AC with DC | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:42 |
| S29 7 | 0 | S295 and AC with DC with ratings\$ | US-PGPUB; USPAT | OR | OFF | 2004/12/20 11:42 |
| S29 8 | 41 | ("4811136" "5515282" "6141710" "3842249" "4403292" "4419588" "4638175" "4967097" "5422517" "5448492" "5466974" "5488532" "5497322" "5504655" "5581229" "5594285" "5604385" "5612579" "5666256" "5696695" "5723915" "5754445" "5764502" "5889775" "5818673" "5892449" "5915128" "5936318" "5973409" "5977645" "6018203" "6046513" "6055144" "6150734" "6195243" "6208914" "6208955" "6212049" "6222714" "6242873" "6344700").pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:31 |

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|----------|----|-------------------------------------|--------------------|----|-----|------------------|
| S29 9 | 0 | S298 and sense adj resistor | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:31 |
| S30 0 | 15 | sense adj resistor and true adj rms | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:32 |
| S30 1 | 0 | S298 and true adj rms | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:31 |
| S30 2 | 49 | resistor same true adj rms | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:40 |
| S30 3 | 13 | resistor with true adj rms | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:37 |
| S30 4 | 3 | resistor with (true adj rms).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:37 |
| S30 5 | 3 | resistor same (true adj rms).clm. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:37 |
| S30 6 | 33 | true adj rms adj current | US-PGPUB; USPAT | OR | OFF | 2004/12/20 12:58 |
| S30 7 | 1 | "4,782,422".pn. | US-PGPUB; USPAT | OR | OFF | 2004/12/20 13:11 |
| S30 8 | 16 | "4513342" | US-PGPUB; USPAT | OR | OFF | 2004/12/20 13:11 |